

## ABSTRACT OF THE DISCLOSURE

A thermal processing roller includes a heat transfer medium flowing path therein and heats a member to be processed abutting  
5 against a surface of the roller or absorbs heat therefrom by heat transfer fluid flowing through the heat transfer medium flowing path, wherein a sealed chamber extending in a longitudinal direction of the roller and in which heat transfer medium of vapor-liquid two phases is sealed is formed within a thick portion of the roller.

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